

MODIS sensor Working Group (MsWG) Meeting Summary

Jan 31, 2007

Attendance: Jack Xiong, Aisheng Wu, Gary Toller, Gene Eplee, Gerhard Meister, Chris Moeller, James Kuyper, Bill Barnes, Stuart Biggar, Xiaobo Xie, Eric Vermote, Vincent Salomonson, Brian Wenny

Scheduled Agenda

Item 1: Recent L1B LUT delivery

- Aqua forward update – 5.0.7.17 (1/07/07)
- Terra forward update – 5.0.6.25 (1/19/07)

Item 2: Instrument status

- Terra and Aqua MODIS are in nominal operations.
- Aqua Inclination Adjustment Maneuvers deferred from the fall are currently scheduled to take place on:
 - 2007/073 – Wed. March 14, 2007
 - 2007/087 – Wed. March 28, 2007
 - 2007/101 – Wed. April 11, 2007
 - 2007/114 – Tues. April 24, 2007
 - 2007/128 – Tues. May 8, 2007 (backup date)
 - 2007/135 – Tues. May 15, 2007 (backup date)

Item 3: MCST recent activities

- Terra 'Bad data' blocking issue:

4 time periods after significant instrument anomaly events were identified where MODIS was operating in Science Mode but the Cold Focal Plane Assemblies temperatures had not yet stabilized – thus yielding suspect quality EV data – particularly for TEB and Bands 5,6,7 & 26, that can lead to problems for downstream algorithms. MCST proposes blocking data from these periods from public access. No objections were raised and the issue has been forwarded to the L1B group to devise a strategy for data blocking. The time periods are:

 1. **2001166.0400 – 2001184.0920** (6/15/01 04:00 – 7/3/01 09:20)
 2. **2002078.1615 – 2002087.1015** (3/19/02 16:15 – 3/28/02 10:15)
 3. **2003350.1305 – 2003358.2125** (12/16/03 13:05 – 12/24/03 21:25)
 4. **2006234.1640 – 2006235.1950** (8/22/06 16:40 – 8/23/06 19:50)
- Dead detector interpolation issue:

Prototype L1B code in development to produce a test dataset of granules with a fill value as opposed to an interpolated value for inoperable detectors. Once produced it will be made available for the science disciplines to check their algorithms.

Those present agreed that a dataset composed of one day's worth of granules would be sufficient – starting with Aqua MODIS.
- Internal discussions with Ocean Color group:

Produced time series of current results for one year of Terra data. Several issues still remain to be resolved such as the time dependent RVS and a polarization correction.

Item 4: Around the Table

CM: Has begun analyzing the ER2 underflight data from last fall for TEB validation.

VS: Immersed in writing of Terra and Aqua proposals.

Next Meeting: ~Feb. 14, 2007